

IN THE CLAIMS:

Please amend claim 18 and cancel claims 19-22 as shown in the following complete listing:

Claims **1-17** and **19-22**: (cancelled)

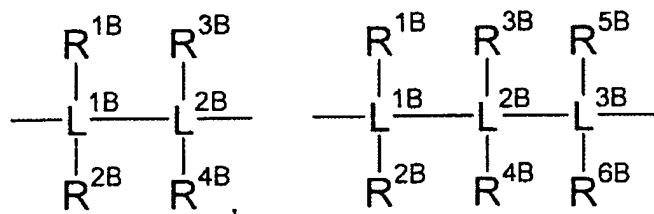
18. (currently amended) A monocyclopentadienyl complex of the formula



where the variables have the following meanings:

Cp is a cyclopentadienyl system,

Z is a bridge between A and Cp and is selected from the group consisting of



where

$\text{L}^{1\text{B}}\text{---L}^{3\text{B}}$ are each, independently of one another, carbon or silicon,

$\text{R}^{1\text{B}}\text{---R}^{6\text{B}}$ are each, independently of one another, hydrogen, $\text{C}_1\text{---C}_{20}$ -alkyl, $\text{C}_2\text{---C}_{20}$ -alkenyl, $\text{C}_6\text{---C}_{20}$ -aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or $\text{SiR}^{7\text{B}}_3$, where the organic radicals $\text{R}^{1\text{B}}\text{---R}^{6\text{B}}$ may also be substituted by halogens and two geminal or vicinal radicals $\text{R}^{1\text{B}}\text{---R}^{6\text{B}}$ may also be joined to form a five- or six-membered ring and

$\text{R}^{7\text{B}}$ are each, independently of one another, hydrogen, $\text{C}_1\text{---C}_{20}$ -alkyl, $\text{C}_2\text{---C}_{20}$ -alkenyl, $\text{C}_6\text{---C}_{20}$ -aryl or alkylaryl having from 1 to 10 carbon

atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R^{7B} may also be joined to form a five- or six-membered ring,

~~A is an unsubstituted, substituted or fused, heteroaromatic ring system,~~

M is a metal selected from the group consisting of chromium, molybdenum and tungsten,

m is 1, 2 or 3,

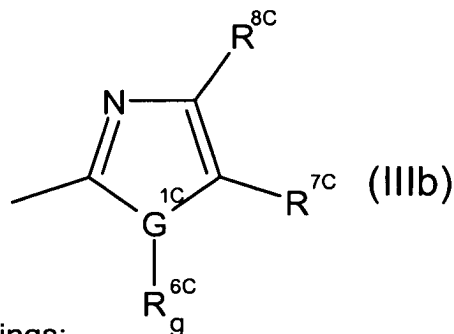
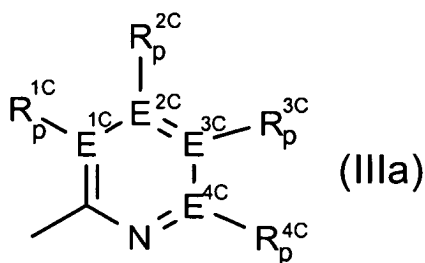
X are each, independently of one another, fluorine, chlorine, bromine, iodine, hydrogen, C_1 - C_{10} -alkyl, C_2 - C_{10} -alkenyl, C_6 - C_{20} -aryl, alkylaryl having 1-10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, NR^1R^2 , OR^1 , SR^1 , SO_3R^1 , $OC(O)R^1$, CN, SCN, β -diketonate, CO, BF_4^- , PF_6^- or a bulky noncoordinating anion,

R^1 - R^2 are each, independently of one another, hydrogen, C_1 - C_{20} -alkyl, C_2 - C_{20} -alkenyl, C_6 - C_{20} -alkenyl, C_6 - C_{20} -aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, SiR^3_3 , where the organic radicals R^1 - R^2 may also be substituted by halogens and two radicals R^1 - R^2 may also be joined to form a five- or six-membered ring,

R^3 are each, independently of one another, hydrogen, C_1 - C_{20} -alkyl, C_2 - C_{20} -alkenyl, C_6 - C_{20} -aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R^3 may also be joined to form a five- or six-membered ring
[[and]]

k is 1, 2 or 3, and

A is an unsubstituted, substituted or fused, heteroaromatic ring system having the formula (IIIa) or (IIIb):



where the variables have the following meanings:

E^{1C}-E^{4C} are each carbon or nitrogen,

R^{1C}-R^{4C} are each, independently of one another, hydrogen, C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₆-C₂₀-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR^{5C}₃, where the organic radicals R^{1C}-R^{4C} may also be substituted by halogens or nitrogen and further C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₆-C₂₀-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR^{5C}₃ groups and two vincinal radicals R^{1C}-R^{4C} or R^{1C} and Z may also be joined to form a five- or six-membered ring and

R^{5C} are each, independently of one another, hydrogen, C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₆-C₂₀-aryl or alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R^{5C} may also be joined to form a five- or six-membered ring and

p is 0 when E^{1C}-E^{4C} is nitrogen and 1 when E^{1C}-E^{4C} is carbon,

G^{1C} is nitrogen, phosphorus, sulfur or oxygen,

R^{6C}-R^{8C} are each, independently of one another, hydrogen, C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₆-C₂₀-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR^{9C}₃, where the organic radicals R^{6C}-R^{8C} may also be substituted by halogens or nitrogen and further C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₆-C₂₀-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR^{9C}₃ groups and two vicinal radicals R^{6C}-R^{8C} or R^{6C} and Z may also be joined to form a 5- or 6-membered ring and

R^{9C} are each, independently of one another, hydrogen, C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₆-C₂₀-aryl or alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R^{9C} may also be joined to form a five- or six-membered ring and

g is 0 when G^{1C} is sulfur or oxygen and 1 when G^{1C} is nitrogen or phosphorus.